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Examiner: Kimnhung Nguyen
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Subject: Claims 1-2 were rejected. Non-final action mailed 07/29/2004. Revised claims are below.

Note: Claims were rejected as being anticipated by Yamamoto et al. (US 6,466,183).
The principal difference of the present invention from Yamamoto's is that display devices are vertical omni-dimensional (Yamamoto uses two-dimensional displays). Train movement allows forming the second (horizontal) dimension. Yamamoto uses flash light to highlight two-dimensional still image for a short period of time. This makes image not very bright and provides image distortion in the horizontal direction. In the present invention each light cell changes its color and brightness according to the next horizontal image pixel. That allows displaying full-bright image without horizontal motion distortion.

CLAIMS:
What I claim as my invention is:

1. A method of displaying still images or motion sequences into each window of a passenger train moving in a tunnel, by installing a plurality of vertical omni-dimensional light emitting bars mounted on a tunnel sidewall, that are placed in a row at a window level of a train at specific intervals in the direction of a train movement, where said bars emit light modulated according to the desired image; and using movement of an observer onboard of a train relatively to the said vertical omni-dimensional light emitting bar to form the horizontal dimension of the desired still image; where start time of each image display is synchronized with each window passed the light emitting bar and speed of changing of vertical image line is synchronized with the train velocity; and using a plurality of the said bars to form a successive motion image sequence thus presenting two-dimensional movie visible to the said observer.

2. A system mounted on a sidewall of a train tunnel and comprises:

a train velocity and position detector;

a plurality of vertical omni-dimensional light emitting bars mounted in a row at a window level of a train at specific intervals in the direction of a train movement; where each light emitting bar comprises a control circuit and a plurality of full-color LEDs aligned vertically at a specific dot interval;

signal cables from a train velocity and position detector to the light emitting bars that are used to time-synchronize the modulated light emitted by bars with a train speed and position.

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Taipei, Taiwan

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